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APPLICATION NO.

10/659,050

INFORMATION DISCLOSURE CITATION
IN AN APPLICATION

APPLICANT

2881

Chikashi Sato

FILING DATE

09/09/03

GROUP ART UNIT

Photosonolysis of Toxics in Reactor With a
Metal Partition

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
* 1.	3,672,823	June 27, 1972	Boucher	21	84R	
* 2.	5,130,031	July 14, 1992	Johnston	210	748	
* 3.	6,309,611	Oct 2001	Tabatabaie-Raissi, et al		422	186.3

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES / NO
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

- * 1. Toy & Stringham, "Ultrasonic Photolysis of Methyl Disulfide and Hexafluorobutadiene", 1984, *Journal of Fluorine Chemistry* 25, pp 213-218
- * 2. Sierka & Amy, "Catalytic Effects of Ultraviolet Light and/or Ultrasound on the Ozone Oxidation of Humic Acid and Trihalomethane Precursors", 1985, *Ozone Science & Engineering*, Vol. 7, pp. 47-62
- * 3. Toy & Stringham, "Photosynthesis of 1,2,4-Tris(Methylthio)-3-H-Hexafluoro-n-Butane", 1985, *Journal of Fluorine Chemistry* 29, pp 253-260
- * 4. Toy, Carter & Passell, "Photosonocatalytic Decomposition of Aqueous 1,1,1 - Trichloroethane", 1990, *Environmental Technology*, Vol. 11, pp. 837-842
- * 5. Toy, Scheppers & Passell, "Photosonocatalysis on Decomposition of Some Organics in Aqueous Solutions", April 27, 1990, 199th National Meeting of American Chemical Society, Report No. CONF-900402, pp.384-387
- * 6. Johnston & Hocking, "Ultrasonically Accelerated Photocatalytic Waste Treatment", 1993, *Accelerated Photocatalytic Waste Treatment*, pp.106-118
- * 7. Muzzoli, Chicca & Pinamonti, "Effects of Pulsed Ultrasound and Ultraviolet Radiation on Vitamin E and Olive Oil", 1994, *Proceedings of the Royal Society of Edinburgh*, 102B, pp. 265-268
- * 8. Macka, Semenkova & Kiss, "Decomposition of Cisplatin in Aqueous Solutions Containing Chlorides by Ultrasonic Energy and Light", June 1994, *American Chemical Society and American Pharmaceutical Association*, pp. 815-818
- * 9. Sato, Wu, & Kirkpatrick and Hartenstein & Motes, "Photosonolysis of Chlorinated Volatile Organics in Aqueous Solution", 1997, Conference on Hazardous Wastes and Materials, pp. 1-19
- 10. Modeling Tetrachloroethylene Decomposition in Photosonolysis Reactor published in 136/*Journal of Environmental Engineering*/February 2003

Examiner

Date Considered

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

* Copies of the above disclosed references are not provided herewith (according to 37 CFR section 1.98(d)) because they were submitted to the U.S. Patent Office and/or cited by an Examiner in a prior application, serial no. 09/288,595, filing date of April 8, 1999, and issued on September 9, 2003 as Patent No. 6,617,588, which is relied upon for an earlier filing date for this application.